

§ 500.17

of substance or class of substances such references shall be a part of the net quantity statement and shall specify capacity as follows:

(1) Liquid measure for containers which are intended to be used for liquids, semi-solids, viscous materials or mixtures of solids and liquids. The customary inch/pound statement of capacity shall be stated in terms of the largest whole U.S. gallon of 231 cubic inches, quart, pint, or ounce with any remainder in terms of the common or decimal fraction of that unit.

(Example: Freezer Boxes: "4 boxes, 1 qt. capacity, 6 in. × 6 in. × 4 in. (946 mL capacity, 15.2 × 15.2 × 10.1 cm)".)

(2) Dry measure for containers which are intended to be used for solids. The customary inch/pound statement of capacity shall be stated in terms of the largest whole U.S. bushel of 2,150.42 cubic inches, peck, dry quart, or dry pint with any remainder in terms of the common or decimal fraction of that unit.

(Example: Leaf Bags: "8 bags, 6 bushel capacity, 4 feet × 5 feet (211 L capacity—1.21 m × 1.52 m)".)

(3) Where containers are used as liners for other more permanent containers, in the same terms as are normally used to express the capacity of the more permanent container.

(Example: Garbage Can Liners: "10 liners, 2 ft. 6 in. × 3 ft. 1 in., fits up to 30 gallon cans (76.2 × 93.9 cm, fits up to 113 L cans)".)

(c) Notwithstanding the above requirements, the net quantity statement for containers such as cups will be listed in terms of count and liquid capacity per unit.

(Example: "24 cups, 6 fl. oz. capacity (177 mL)".)

(d) For purposes of this section, the use of the terms "capacity," "diameter," and "fluid" is optional.

§ 500.17 Fractions.

(a) SI metric declarations of net quantity of contents of any consumer commodity may contain only decimal fractions. Other declarations of net quantity of contents may contain common or decimal fractions. A common fraction shall be in terms of halves,

16 CFR Ch. I (1–1–97 Edition)

quarters, eighths, sixteenths, or thirty-seconds; except that:

(1) If there exists a firmly established general consumer usage and trade custom of employing different common fractions in the net quantity declaration of a particular commodity, they may be employed, and

(2) If linear measurements are required in terms of yards or feet, common fractions may be in terms of thirds. A common fraction shall be reduced to its lowest terms; a decimal fraction shall not be carried out to more than three places.

(b) If a statement includes small fractions, smaller variations in the actual size or weight of the commodity will be permitted as provided in § 500.25, than in cases where the larger fractions or whole numbers are used.

§ 500.18 SI metric prefixes.

The following chart indicates SI prefixes that may be used on a broad range of consumer commodity labels:

| Prefix | Symbol | Multiplying factor ¹ |
|--------------|--------|---------------------------------|
| Kilo- | k | x 10 ³ |
| Deca- | da | x 10 |
| Deci- | d | x 10 ^{−1} |
| Centi- | c | x 10 ^{−2} |
| Milli- | m | x 10 ^{−3} |
| Micro- | μ | x 10 ^{−6} |

¹ 10²=100; 10³=1000; 10^{−1}=0.1; 10^{−2}=0.01.

Thus, 2 kg=2x1000 g=2000 g, and 3 cm=3x0.01 m=0.03 m.

§ 500.19 Conversion of SI metric quantities to inch/pound quantities and inch/pound quantities to SI metric quantities.

(a) For calculating the conversion of SI metric quantities to inch/pound quantities and inch/pound quantities to metric quantities, the factors in the following chart and none others shall be employed:

SI METRIC INCH/POUND CONVERSION FACTORS

| Inch/pound | Metric |
|-------------------------------|------------------------------------|
| Length | |
| 1 mil=25.4 micrometers (μm)* | 1 micrometer= 0.039370 mil. |
| 1 inch=2.54 cm* | 1 millimeter=0.039 370 in. |
| 1 foot=30.48 cm* | 1 centimeter=0.393 701 in. |
| 1 yard=0.9144m* | 1 meter=3.280 84 ft. |
| Area | |
| 1 square inch=6.4516 cm²* ... | 1 square centimeter=0.155 000 in². |